



# SUPREME ENTERPRISE

Industrial Valves

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Doc. No.	SV-DATA-2026-30_FULL_BORE_THROUGH_CONDUIT_SLAB_GATE_VALVE_CL300		30" Full Bore Through Conduit Slab Gate Valve CL300 -- Technical Datasheet		Page	1 OF 1
Rev.	A				Date	13-Jun-2026
<b>R</b>	<b>REFERENCES &amp; RELATED DOCUMENTS</b>					
<b>R1</b>	<b>P&amp;ID / Process Diagram</b>	N/A -- Product Datasheet	<b>Piping Material Spec.</b>	N/A -- Product Datasheet		
<b>R2</b>	<b>Project Standard / Spec.</b>	API 6D, ASME B16.34, API 598, NACE MR0175				
<b>1</b>	<b>GENERAL</b>					
<b>2</b>	<b>P&amp;ID No. / Tag No.</b>	N/A -- Product Datasheet	<b>Piping Class</b>	ASME Class 300		
<b>3</b>	<b>Valve Tag / Item No.</b>	N/A -- Product Datasheet	<b>Quantity Required</b>	As required		
<b>4</b>	<b>Design Standard</b>	API 6D, ASME B16.34, API 598, NACE MR0175		<b>Pressure Class / Rating</b>	ASME Class 300	
<b>5</b>	<b>Valve Size, Inlet x Outlet</b>	30" (DN750), full bore piggable		<b>End Connection</b>	Flanged RF per ASME B16.5 / Butt Weld per ASME B16.25	
<b>6</b>	<b>Valve Type / Model</b>	30" Full Bore Through Conduit Slab Gate Valve CL300		<b>Operation Mode</b>	Single-slab through-conduit gate gives a smooth full-bore opening for pig passage -- gear or actuator operated, twin floating self-relieving seats with emergency sealant injection	
<b>6A</b>	<b>Service / Application</b>	Oil & Gas Pipelines, Pig Launching/Receiving, Crude & Product Transmission		<b>Fluid State</b>	Liquid / Gas / Steam (as applicable)	
<b>7</b>	<b>DESIGN CONDITIONS</b>					
<b>8</b>	<b>Design Pressure</b>	ASME Class 300		<b>Design Temp. Min / Max</b>	-29°C to +425°C (standard) -- higher/lower on request	
<b>9</b>	<b>Operating Pressure</b>	ASME Class 300		<b>Operating Temp.</b>	Ambient to +200°C (standard) -- project-specific on request	
<b>10</b>	<b>Set / Relief Pressure</b>	N/A -- Product Datasheet		<b>Back Pressure</b>	N/A -- Product Datasheet	
<b>11</b>	<b>Fluid Handled / Service</b>	Oil & Gas Pipelines, Pig Launching/Receiving, Crude & Product Transmission		<b>Corrosion Allowance</b>	As per project specification	
<b>12</b>	<b>Required Capacity / Flow Rate</b>	As per valve size and pressure class		<b>Location / Installation</b>	Indoor / Outdoor / Offshore / Marine (as applicable)	
<b>13</b>	<b>VALVE OPERATION REQUIREMENT</b>					
<b>14</b>	<b>Type of Valve Operator</b>	Single-slab through-conduit gate gives a smooth full-bore opening for pig passage -- gear or actuator operated, twin floating self-relieving seats with emergency sealant injection		<b>Actuator Specification</b>	ISO 5211 pad (actuated) -- Electric / Pneumatic / Hydraulic on request	
<b>15</b>	<b>Fail-Safe Position</b>	As per project / application requirements		<b>Accessories Required</b>	Limit switches, positioners, solenoid valves, manual override -- on request	
<b>16</b>	<b>VALVE MATERIAL SPECIFICATION (EQUIVALENT OR SUPERIOR)</b>					
	<b>Valve Part</b>	<b>Specified Material</b>	<b>Proposed Material (Supreme Valves India)</b>			
	<b>Body</b>	As per project specification		ASTM A216 WCB / A105N (welded or cast, large bore)		
	<b>Bonnet / Cover</b>	As per standard		As per standard / matching body grade		
	<b>Trim (Disc / Seat)</b>	As per standard		A216 WCB / A105 + ENP or 13Cr overlay, single-slab through-conduit / Floating spring-loaded metal seats, PTFE-inserted, self-relieving		
	<b>Stem / Spindle</b>	As per standard		ASTM A182 F6a / SS316, rising or non-rising		
	<b>Gasket / Packing</b>	As per standard		Seat & stem sealant injection fittings (emergency)		
	<b>Bolting / Nuts</b>	As per standard		ASTM A193 B7 / A194 2H		
	<b>Gasket</b>	As per standard		Spiral wound SS316 + graphite / RTJ		
<b>17</b>	<b>TESTING, INSPECTION &amp; CERTIFICATION REQUIREMENTS</b>					
<b>18</b>	<b>Hydrostatic Shell Test</b>	Hydrostatic 7.7 MPa (1125 psi)		<b>Seat / Pneumatic Test</b>	Hydrostatic 5.6 MPa (815 psi)	
<b>19</b>	<b>NDT Requirements</b>	100% MPI / DPT on machined surfaces (if specified) -- Radiography / Ultrasonic on request				
<b>20</b>	<b>Required Certificates / MTC</b>	EN 10204 3.1 MTC (standard) -- EN 10204 3.2 / third-party inspection on request				
<b>21</b>	<b>Witness / Inspection Agency</b>	Client / TPI representative (if specified)		<b>Third Party Inspection</b>	TUV / SGS / BV / Lloyds Register (client cost)	
<b>22</b>	<b>PAINTING, PRESERVATION &amp; PACKING</b>					
<b>23</b>	<b>Painting / Coating Specification</b>	Standard: one coat primer + two coats synthetic enamel (colour per client spec) -- special coatings (epoxy, PTFE, rubber lining) on request				

<b>24</b>	<b>Packing Requirement</b>	Wooden cases / pallets with VCI protection -- sea-worthy packing for export on request
<b>26</b>	<b>NOTES</b>	
<ol style="list-style-type: none"> <li>1. This datasheet covers standard specifications for 30" Full Bore Through Conduit Slab Gate Valve CL300.</li> <li>2. Design Standard: API 6D, ASME B16.34, API 598, NACE MR0175.</li> <li>3. Application / Service: Oil &amp; Gas Pipelines, Pig Launching/Receiving, Crude &amp; Product Transmission.</li> <li>4. Size Range: 30" (DN750), full bore piggable. Pressure Rating: ASME Class 300.</li> <li>5. All valves are manufactured new and unused by an ISO 9001 compliant foundry.</li> <li>6. Material Test Certificates (MTC) per EN 10204 3.1 provided as standard; EN 10204 3.2 available on request at additional cost.</li> <li>7. Testing performed per ISO 5208 / API 598: shell test at 1.5x rated pressure, seat test at 1.1x rated pressure -- bubble-tight zero leakage.</li> <li>8. Face-to-face dimensions per ASME B16.10 / BS 2080 / manufacturer standard unless otherwise specified.</li> <li>9. Marking per MSS SP-25: Size, Pressure Class, Material, Heat Number, Tag Number, Serial Number, Flow Direction.</li> <li>10. Alternative / upgraded materials: LF2 low-temperature body, Inconel/13Cr overlay, and sour-service NACE trims on request.</li> <li>11. Actuated valves (electric, pneumatic, hydraulic) supplied with ISO 5211 mounting pad and position indicator.</li> <li>12. Third-party inspection by TUV, SGS, Bureau Veritas, or Lloyds Register available on request at client cost.</li> <li>13. This datasheet is for general reference. Firm specifications to be confirmed upon receipt of confirmed Purchase Order with technical requirements.</li> <li>14. For specific project requirements, deviation forms, or material substitutions, please contact our engineering team.</li> </ol>		

<b>RH</b>	<b>REVISION HISTORY</b>			
	Rev.	Date	Description of Change	Prepared / Reviewed / Approved
	A	13-Jun-2026	Initial issue -- Product datasheet generated from standard catalogue	Supreme Valves India -- Technical Department
<b>AP</b>	<b>DOCUMENT APPROVAL</b>			
	<b>PREPARED BY</b> Supreme Valves India -- Technical Department, Ahmedabad  _____ Signature / Date	<b>REVIEWED BY</b>  _____ Name / Signature / Date	<b>APPROVED BY</b>  _____ Name / Signature / Date	